

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.







# MATERIALS FOR SEED TREATMENT

## NOD-O-GEN

### THE PRE-TESTED INOCULATOR

JELLY TYPE IN BOTTLES

or

HUMUS TYPE IN CANS



When ordering cultures specify  
kind of seed to be inoculated.

#### FOR CLOVERS; ALFALFA & SWEET CLOVER

1/2 BUSHEL SIZE .....	30c
1 BUSHEL SIZE .....	50c
2 1/2 BUSHEL SIZE (Humus only) .....	\$1.00

#### FOR SOY BEANS; FIELD PEAS & VETCH

1 BUSHEL SIZE .....	30c
2 BUSHEL SIZE .....	50c
5 BUSHEL SIZE (Humus only) .....	\$1.00

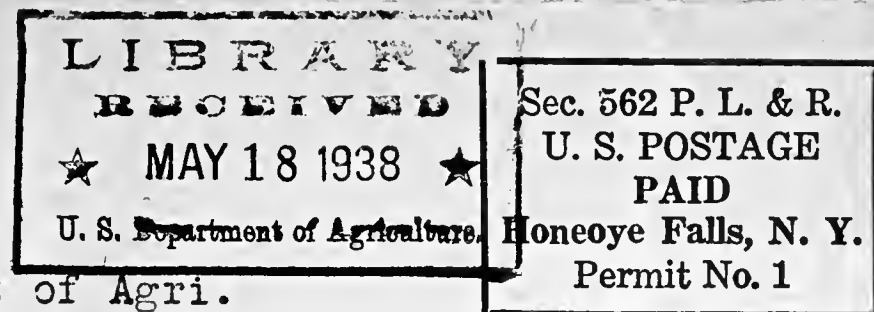
## Seed Disinfectants

CERESAN .....	1 lb. 70c
1 lb. Treats 32 Bus., Wheat, Oats or Barley	
SEMESAN JR. ....	4 oz. 30c
4 Oz. Treats 2 Bus. Corn	1 lb. 75c
SEMESAN-BEL .....	4 oz. 45c
1 Lb. Treats 60 to 80 Bus. Potatoes	1 lb. \$1.50

## Stanley's Crow Repellent

ONE QUART .....	\$1.75
(Enough for four bushels of seed corn)	
ONE PINT .....	\$1.00
(Enough for two bushels of seed corn)	
ONE-HALF PINT .....	\$ .60
(Enough for one bushel of seed corn)	

EDWARD F. DIBBLE SEEDGROWER  
HONEOYE FALLS, N. Y.



U. S. Department of Agri.

Washington, D. C.

*Miss K...*

# DIBBLE'S PRICE LIST

from

## Edward F. Dibble Seedgrower, Honeoye Falls, N.Y.

NOTICE—POSTMASTER, RETURN POSTAGE GUARANTEED

## The Plain Truth About the 1938 Farm Seed Situation

The short supplies of northern grown, domestic Clover and Alfalfa are becoming more apparent as planting time approaches. The supplies on hand will fall far short of meeting normal demands.

The seriousness of the situation is shown by the fact that thousands of pounds of foreign grown seeds are coming into this country. The use of European seed is a "gamble" and only as a last resort should be used in our territory.

We urge the early purchase of domestic seed, while the best stocks are still available. Markets strong.

There are large supplies of the grass seeds such as Timothy, Kentucky Blue Grass and Red Top. Sow them freely where it is practical to do so.

The supplies of Oats and Barley in the eastern section of the country are not up to normal. This is particularly true of Barley. Good stocks of Barley are scarce.

The supply of potatoes is cleaning up in many sections. The bulk of the remaining old potatoes is now in Maine and Idaho. The supply in other sections is below normal. Thousands of bushels have been taken out of consumption since January first and as a result there are fewer potatoes in the country than normal. It looks as though the old potato deal would clean up better than first expected. The general potato situation looks more hopeful for the next few weeks than it has at any time during the season. It looks like higher prices.



# DIBBLE'S PRICE LIST

*from*  
**Edward F. Dibble Seedgrower, Honeoye Falls, N.Y.**  
**April 7, 1938**

**TERMS NET. NO DISCOUNTS ALLOWED. BAGS AND SACKS FREE AND NOT RETURNABLE.**

**CASH WITH ORDER. PRICES ARE FREE ON BOARD CARS AT HONEOYE FALLS, N. Y.**

Dibble's D. B. Brand Alfalfa, Clover and Grass Seeds are the highest grade obtainable. Average analysis for years has been approximately 99.70% pure and an average of around 99.50% is guaranteed.

Every bag of Dibble's Alfalfa, Clover, Grass and Grain Seeds has a tag showing our Purity and Germination test. They are sold on a ten-day-money-back-if-you-want-it guarantee subject to any test you may choose to make.

Is there a fairer way to sell, or a safer way to buy Farm Seeds?

**WE QUOTE TODAY'S VALUES SUBJECT TO MARKET CHANGES.** Samples of any of our seeds on request. We guarantee that all of our Clover and Alfalfa will meet the requirements of the Soil Conservation Program.

## Alfalfa and Sweet Clover

Absolutely hardy with us	Per bu. 60 lbs.
D. B. Common Alfalfa	
Northern Idaho Grown .....	\$24.90
Purity our test about 99.50%	
D. B. Grimm Alfalfa .....	\$25.50
Genuine Guaranteed	
Purity our test about 99.50%	
D. B. Canada Variegated Alfalfa ..	
Ontario Grown .....	\$24.90
D. B. White Blossom Sweet	
Clover Fancy Scarified .....	\$ 7.80
Purity our test about 99.50%	

## D. B. Brand Clovers

We do not sell Southern, Oregon or Imported Clover Seed

Guaranteed Northern Domestic Grown	
D. B. Medium Red .....	\$25.50
D. B. Mammoth Red .....	\$25.80
Purity our test about 99.50%	

<b>Fancy Alsike</b> Best Grade .....	\$21.60
Above 98.25%	

## Timothy

	Per bu. 45 lbs.
D. B. Brand .....	\$ 2.40
Full Bags, 3 bushels .....	\$ 6.75
Purity our test, above 99.60%	

## Recleaned Timothy & Alsike Nat. Mixture

	Per bu. 45 lbs.
Lot "D" Average 21% Alsike .....	\$ 5.00
Full bags, 3 bushels .....	\$14.50
Less than 1/2 of 1% Weed Seeds	

## Dibble's Buckwheat

	Per bu. 48 lbs.
Japanese .....	\$1.60
Silverhull .....	\$1.60

## Dibble's Seed Peas

	Per bu. 60 lbs.
Fancy White Canada Field Peas .....	\$3.50

Prices on all seeds will be quoted,  
delivered your station, on request

## Dibble's Seed Corn

Every bushel Northern Grown	
Average germination all lots tested to	
date above 90% .....	per bu. 56 lbs.
<b>ENSILAGE VARIETIES</b>	
Early Yellow Dent .....	\$1.90
Improved Leaming .....	\$1.90
Big Red Dent .....	\$2.25
Mammoth White Dent .....	\$2.00
Lancaster County Sure Crop .....	\$2.00
West Branch Sweepstakes .....	\$2.00
<b>HUSKING or ENSILAGE</b>	
White Cap Yellow Dent .....	\$2.00
Cornell 11 .....	\$2.00
Golden Glow .....	\$2.00
Mammoth Eight Rowed Yellow Flint	\$2.25

## Certified Seed Potatoes

State Certified, College Inspected	
10 to 20 sacks, 10c less per sack	
20 to 50 sacks, 15c less per sack	
50 sacks or more, 20c less per sack	
In sacks per 120 lbs., net, or	2 bu.
Dibble's Russet .....	\$2.20
Dibble's Russet 2nds .....	Sold out
<b>SMOOTH RURAL TYPE</b>	
Rural New Yorker .....	\$2.20
Carman No. 3 .....	\$2.20
Sir Walter Raleigh .....	\$2.20
Heavyweight .....	\$2.20
No. 9 .....	\$2.20
Pioneer Rural .....	\$2.20
Irish Cobbler .....	\$2.20
Green Mountain .....	\$2.20
Spaulding Rose .....	Sold out
Early Ohio .....	\$2.60
Katahdin .....	Sold out
Chippewa .....	\$2.60

## Selected Seed Potatoes

U. S. No. 1 Grown From Certified Seed	
10 to 20 sacks, 10c less per sack	
20 to 50 sacks, 15c less per sack	
50 sacks or more, 20c less per sack	
In sacks per 120 lbs., net, or	2 bu.
Dibble's Russet .....	\$1.90
Dibble's Russet 2nds .....	\$1.70
Rural New Yorker .....	\$1.90
Sir Walter Raleigh .....	\$1.90
Carman No. 3 .....	\$1.90
Heavyweight .....	\$1.90
Pioneer Rural .....	\$1.90
Irish Cobbler .....	\$1.90
Irish Cobbler 2nds .....	\$1.70
Warba .....	\$2.50

## Dibble's Seed Oats

	Per bu. 32 lbs.
Sacked 3 bu. per bag	
Heavyweight, per bu. ....	85c
20th Century, per bu. ....	85c
30 bu. or over, either variety, per bu.	80c
Cornellian Oats .....	Sold out

## Dibble's Seed Barley

	Per bu. 48 lbs.
Alpha Two Rowed .....	\$1.50
Oderbrucker Six Rowed .....	\$1.50
Wisconsin No. 38, Certified .....	\$1.50
30 bus. or over, 10c less per bu.	
Alpha with trace of Oats .....	\$1.35

## Dibble's Spring Wheat

	Per bu. 60 lbs.
Marquis Type, Dakota .....	\$2.25
10 bu. or over, 10c less per bu.	

## Dibble's Soy Beans

	Per bu. 60 lbs.
Manchu Soy Beans .....	\$2.00
Early Wilson Soy Beans .....	\$2.00
Cayuga Soy Beans .....	\$2.25

## Cornell Pasture Mixture

SOW 25 LBS. PER ACRE  
Per Lb. 22c

## Dibble's Lawn Grass Mixt.

Red, White and Blue Mixture .....	
For Normal soils and sunshine....	
1 to 10 lbs .....	25c per lb.
10 lbs. or over .....	20c per lb.
Shady Lawn Mixture .....	
1 to 10 lbs. ....	32c per lb.
10 lbs. or over .....	27c per lb.

## Miscellaneous Seeds

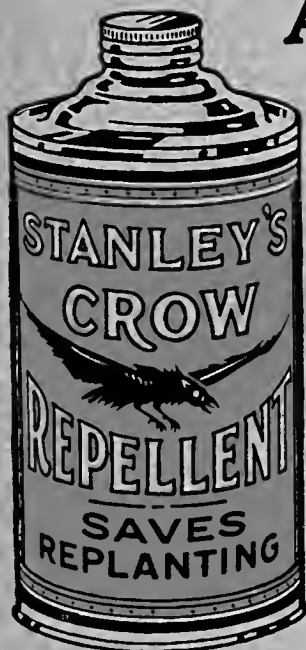
	ALL NEW CROP
Highest purity and germination on the market.	
For a quick Hay crop sow the Millets freely.	
100 lbs. or more 1/2c less per lb.	Per Lb.
Millets { Japanese .....	5c
{ Hungarian .....	6c
{ Golden .....	7c
Sudan Grass .....	6c
Fancy Red Top .....	15c
Fancy Orchard Grass .....	18c
Fancy Kentucky Blue .....	15c
Winter Vetch, Fancy .....	14c
Rape, Dwarf Essex .....	9 1/2c
White Dutch Clover .....	40c
Kent Wild White Clover .....	\$1.60

All quotations are for immediate acceptance subject to confirmation on receipt of order. Use order sheet in ordering. If not ready to order on receipt of this Price List, send for another when you are ready. Prices constantly changing.

**PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE**



# LARGER YIELD PER ACRE



ONE QUART enough for four bushels of seed corn..... **\$1.75**

ONE PINT enough for two bushels of seed corn..... **1.00**

ONE-HALF PINT enough for one bushel of seed corn..... **.60**

XX

Manufactured only by

**The Cedar Hill Formulae Co.**  
New Britain, Conn.

*For Sale By*

**EDWARD F. DIBBLE SEEDGROWER**  
New and Standard Farm Seeds  
HONEOYE FALLS, N. Y.

# STANLEY'S CROW REPELLENT

Will Protect Your  
**SEED CORN**



**CROWS  
HATE IT**

Copyrighted CHF Co. 1937



# STANLEY'S CROW REPELLENT PROTECTS YOUR SEED CORN

## WHY YOU SHOULD USE IT

OVER \$1,000,000 is lost every year on account of crows and other pests pulling corn while it is germinating, sprouting, and rooting. The great extent of this loss is being given more consideration each year by leaders in farming methods, who want the biggest return in bushels grown for the effort and money put in. STANLEY'S CROW REPELLENT protects and insures against this loss.

*It is economical. Its cost is only 10c. to 12c. per acre, depending on the quantity of seed used in planting.*

As the result of careful and practical study and tests, its ingredients are correctly combined to give the surest protection. Only the best materials, tested for quality, are used in its manufacture.

It is more effective, more convenient to use, and more economical, measured by results, than any other material.

It has been used successfully by experienced corn growers for over twenty years.

## WHAT IT DOES

IT Protects your corn during the period when it is most easily damaged, by ridding your Crop of Crows, Pheasants, Blackbirds, Larks and all other corn pulling birds, and animal pests such as Moles, Gophers, Woodchucks, Squirrels, etc.

It saves loss of seed and labor of replanting.

*It is positive.*

It protects seed from rotting in the ground.

It insures larger yield per acre.

It is non-poisonous and will not injure the seed of any kind of corn.

It will not kill birds or animals, but will keep them away and prevent destruction by them.

## HOW TO USE IT

PLACE the clean, dry corn in a suitable container which will not absorb liquid, and pour Stanley's Crow Repellent over it, mixing thoroughly. After mixing, put corn in planter. It is unnecessary to dry the corn, consequently do not use tar, lime or plaster.



# MORE PROFIT FROM CORN the EASY way



## ACTUAL TESTS . . .

In 26 out of 28 farm tests in 20 counties scattered over four of the largest corn-growing states, New Improved Semesan Jr. increased the yields  $1\frac{1}{4}$  to  $6\frac{1}{4}$  bushels per acre.

**DUBAY**

REG. U.S.

PAT. OFF.

**NEW IMPROVED  
SEMESAN JR.**

REG. U.S. PAT. OFF.



# How $1\frac{1}{2}\text{¢}$ an acre

## buys a better corn crop!

Seed corn treatment is now recognized as one of the necessary operations in successful corn production.

**ITS PURPOSE**—The purpose of treating field or sweet seed corn with *New Improved Semesan Jr.* is to destroy the root-rot organisms living on the seed and to protect it from decaying under unfavorable soil conditions. It usually increases stands and yields. It will not control corn smut, wire worms, grubs, crows, moles, gophers, or similar pests.

**IT MAKES EARLY PLANTING SAFER**—Early planted seed corn usually produces larger yields. *New Improved Semesan Jr.*, by protecting seed corn from rotting, permits earlier planting. It helps to eliminate the loss of time and money incurred by replanting.

**HOW IT IS USED**—*New Improved Semesan Jr.* is a dust. It is used at the rate of two ounces for each bushel of seed. The seed and the dust are mixed together in a treater for two to three minutes. Then the seed may be stored or planted at once.

**HOW IT WORKS**—As soon as the seed is planted, *New Improved Semesan Jr.* throws around it a tiny, protecting cloud of gas or vapor. This vapor is harmless to the seed and seedling, but it helps to prevent the disease germs (spores) on the seed and in the soil from attacking the germinating seed and seedling. No wonder it usually increases stands and yields!

**TREAT EVERY YEAR**—Field or sweet corn should be treated with *New Improved Semesan Jr.* every year because soil and weather conditions cannot be predicted. Even high-grade seed corn usually benefits from seed treatment.

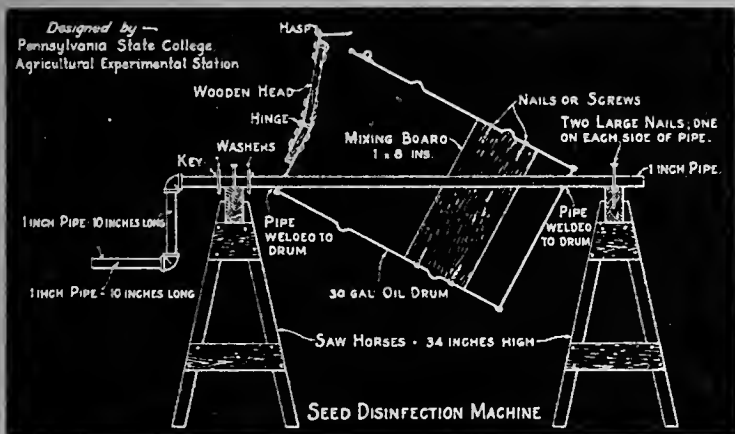
**LOW COST  $1\frac{1}{2}\text{¢}$  PER ACRE**—One pound of *New Improved Semesan Jr.* treats eight bushels of seed and costs one dollar. At the usual planting rate the cost of treatment per acre is only  $1\frac{1}{2}\text{c}$ .

**UNIVERSITY OF ILLINOIS SAYS**—"One of the best disinfectants for seed corn now on the market is *New Improved Semesan Jr.*, the active ingredient of which is ethyl mercury phosphate."



# TREATING EQUIPMENT

The only treating equipment required for small quantities of seed is a discarded 40-quart milk can, an old butter-churn or similar container. Larger quantities can be treated in a rotary drum such as illustrated below.



This effective duster can be made from a 30-gallon oil drum at a cost of \$2 to \$5. Write for free Blue Print.



## PRICES

4 oz.....\$	.30	5 lb.....\$	3.25
1 lb.....	.75	25 lb.....	14.00
			\$55.00
100 lb.....			

2 ounces treat one bushel of seed

*New Improved Semesan Jr.* is poisonous, and instructions and precautions furnished with all packages should be observed. It can be mailed if packed according to Postal Regulations.

## BAYER-SEMESAN COMPANY, INC.

Du Pont Building

Wilmington, Delaware

*For Sale by*



# TRIPLE BENEFITS

for Corn  
with New Improved Semesan Jr.

## 1. Reduces Seed Rotting



*Diplodia* root-rot growing on seed corn

Every corn grower knows the importance of securing a good stand of vigorous plants. But good stands, especially for early plantings or when the soil is cold and wet, are hard to get. Too many missing hills and too many hills with only one stalk usually leave a stand that is only fair. That's what cuts into your corn income year after year.

Seed decay and seedling blights seriously handicap the grower in securing good stands. Such fungi or molds as *Diplodia*, *Gibberella*, and others attack the germinating seed or the young seedling causing the seed to rot or the seedling to be stunted and weak, resulting in poor stands. These destructive fungi live on most seed and in most soils. The University of Illinois says: "No seed corn of which there is enough for farm use is entirely free from diseases. . . . The average farmer's seed is rather badly diseased. This causes a big decrease in yield which the farmer can ill afford."



Two healthy kernels (left) with four (right) in various stages of decay from seed-borne root-rots

**New Improved Semesan Jr. helps to protect the seed from rotting.** This efficient chemical disinfectant, dusted on the seed before planting, generally destroys the disease germs (spores) on the surface of the seed and protects it from those in the soil. Treated seed are less likely to rot even in cold, wet soils.

## 2. Improves Stands

**New Improved Semesan Jr. usually increases stands.** Its disinfecting action helps to protect the seed from rotting and the seedling from blighting. Fifty-one farm demonstrations in the Corn Belt showed



Treatment increases stands from root-rot infected seed that **New Improved Semesan Jr.** increased the stands by 5% to 15%.

**Seed treatment with New Improved Semesan Jr. reduces the number of weak plants.** While riding the cultivator, have you ever noticed how many plants were only a foot high when the others were twice as tall? There's a reason for those small plants. Most of them have been stunted during the seedling stage by the attacks of certain fungi (molds) carried on the seed and in the soil. At harvest time most of those stunted plants will be barren or will produce only nubbins. No seed treatment can grow a big ear on every stalk, but **New Improved Semesan Jr.** can reduce the number of these weak, stunted plants.

**Iowa State College says:** "In most cases good treatment will give a more uniform stand and also result in an increase in yield ranging from 1 to 15 bushels per acre, depending on (1) seasonal conditions, (2) time of planting, and (3) condition of the seed used."



The roots (left) show how diseases destroy them. Compare them with the healthy roots (right)



**Growers who treat seed  
with Improved SEMESAN JR.**

### **3. Increases Yields**

Better stands of healthier plants mean increased yields. Numerous tests on Corn Belt farms with growers' seed show that dusting the seed with *New Improved Semesan Jr.* increases the average yield about 10%. In tests on 17 farms, *New Improved Semesan Jr.* increased the yield on 15 of them. On 6 of these farms the increase ranged from 5 to 8 bushels an acre. The next year, on 26 out of 28 farms in 20 counties scattered over 4 of the largest corn-growing states, *New Improved Semesan Jr.* increased the yield  $1\frac{1}{4}$  to  $6\frac{1}{4}$  bushels per acre. If your untreated seed makes 50 bushels per acre, *New Improved Semesan Jr.* generally will add about 5 extra bushels—and at a cost of only  $1\frac{1}{2}\text{¢}$  per acre.



**Treatment of heavily diseased seed increases yields as much as 21 bushels per acre**

**Seed treatment is advised by Experiment Stations:**  
**Illinois**—"... the average increase in yield in the northern two-thirds of Illinois has been about 3 bushels an acre."

**Iowa**—"Seed Treatment Increases the Yield—Average for 9 years—4.0 bushels per acre. . . . Since soil and weather conditions cannot be predicted it is wise to use a dust treatment every year as a form of insurance."

**Minnesota**—"It Pays to Treat Sweet Corn Seed! . . . Seedling blight is a common and destructive disease of sweet corn in Minnesota. It is the most common cause of poor stands and low yields."







**NEW  
IMPROVED**

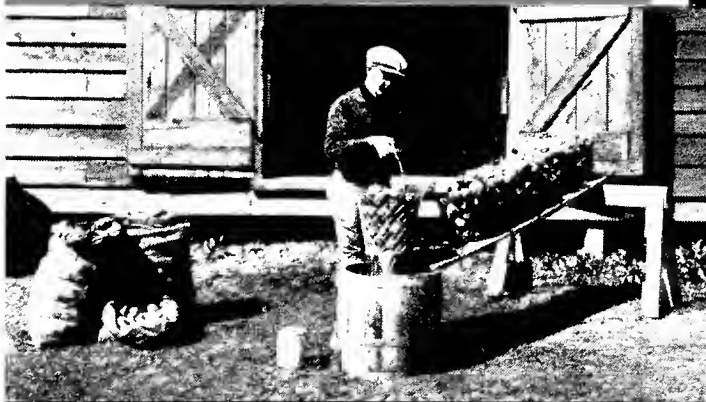


**SEMESAN  
BEL**

**OFFERS GREATER CONTROL  
OF SEED POTATO**

**DISEASES**

**AT LESS COST IN LESS TIME  
WITH LESS LABOR**



**A POUND TREATS 60 TO 80  
BUSHELS OF POTATOES**







# THIS EASY, QUICK DIP LOWERS BUSHEL COST AND INCREASES BUSHEL PROFIT

**L**OWER production cost per bushel is the goal that you and every other progressive potato grower are striving to attain. But even though you use the best seed, adequate fertilizer, and thorough cultivation, these efforts towards lower production cost will be largely wasted unless you prevent disease from rotting your seed and sprouts, weakening your plants and reducing the stand, yield, and quality of your crop. Seed-borne scab and Rhizoctonia are two of the important diseases that play havoc with potato production costs. Only by controlling these and other destructive seed-borne diseases can you hope to obtain the lowest bushel cost and the greatest bushel profit.

*New Improved Semesan Bel* now offers you a quick, easy, inexpensive method of controlling Rhizoctonia, scab, and other surface seed-borne diseases of potatoes. It provides you with a definite means of reducing production costs—and increasing growing profits.

At a cost of only  $1\frac{1}{2}$  to 3 cents for each bushel of seed planted—for less, even, than the cost of the old “2-hour” soak methods, you can disinfect your seed potatoes by this effective, time and labor-saving dip method. Considering the time, labor, and equipment expense, the *Improved Semesan Bel* method costs as little even as the formaldehyde treatments. A single pound of *Improved Semesan Bel* will treat from 60 to 80 bushels of seed potatoes. No  $1\frac{1}{2}$  to 2-hour soaking is necessary.

## Treatment Is Quick and Easy

The *Improved Semesan Bel* method of treating seed potatoes is quick, easy, and effective. No special or costly treating devices are necessary. The simple equipment needed for using *Improved Semesan Bel* can be found on any farm.

For small-scale treatments only a couple of pails are required. For treating on a larger scale only a half barrel, a few wire baskets or crates, and a couple of planks for a drain board are all that is needed.

*Improved Semesan Bel* comes in concentrated powder form. It mixes easily with water—you simply dump it into the water, stir, and you are ready to begin treating. Potatoes can be treated as fast as you can fill and empty the baskets. Compare the ease and swiftness of this method with the old  $1\frac{1}{2}$  to 2-hour soak treatment.

The *Improved Semesan Bel* method of treating seed potatoes is so much quicker and easier than any other commonly used method, that with it one man can treat 10 to 30 times more potatoes a day than with the old soak methods.



Small-scale treatment with *New Improved Semesan Bel* requires only two pails.

## Widespread Tests Prove Merit

Extensive and exhaustive tests with the *Improved Semesan Bel* have been conducted under a wide variety of soil and climatic conditions—on light, sandy soil in New Jersey, Michigan, South Carolina, and Wisconsin; on heavier soils in Pennsylvania, Minnesota, Nebraska, and Oregon; on peat soil in Iowa and California; and under irrigation in Colorado and Idaho. Kansas, Missouri, Maine, New York, Ohio, Indiana, and North Carolina also have contributed proof of the exceptional efficiency of *Improved Semesan Bel* in the control of seed-borne scab and Rhizoctonia.

The *Improved Semesan Bel* is now offered to you as a seed potato treatment that has been thoroughly tested for four years and has proved efficient under varying practical conditions in controlling diseases carried on the seed, in increasing yields, and in lowering production cost per bushel.

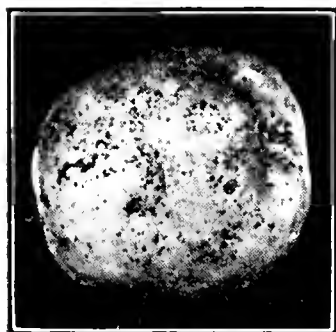




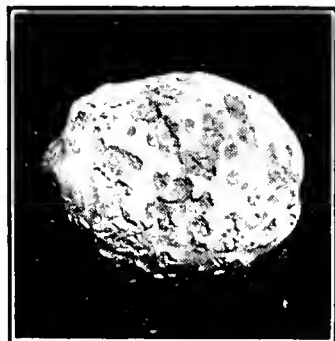


# Dipping Your Seed Potatoes in New Improved Semesan Bel Pays

## By Controlling Seed-Borne Diseases



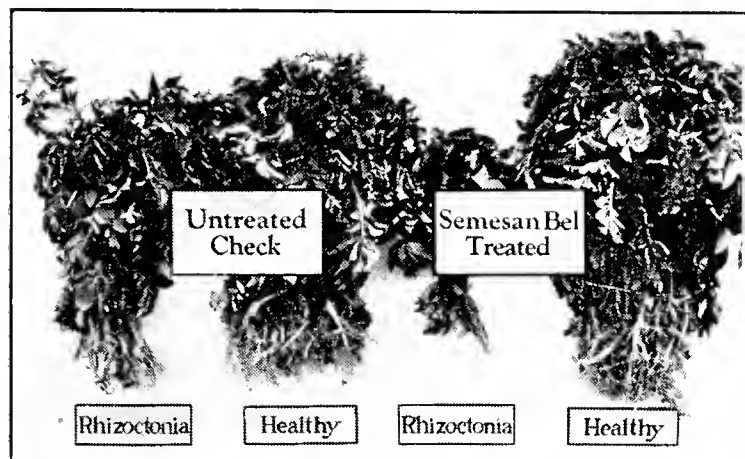
Rhizoctonia reduces potato quality and yield.



Scab pits potatoes and makes them unsalable.

Disease steals your potato profits by decreasing the yield and lowering the market value. A loss in yield of only 10% frequently may represent the profit on your entire planting.

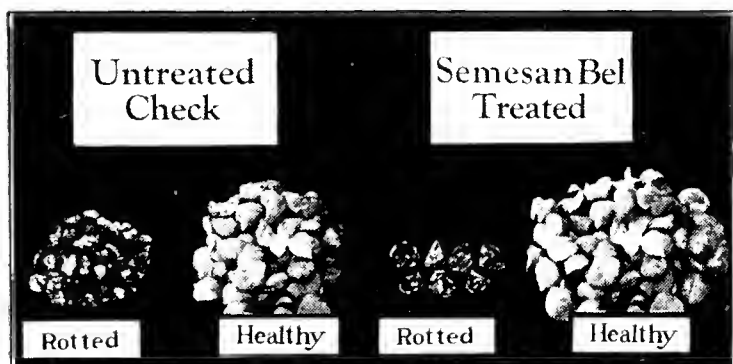
Rhizoctonia and seed rotting are responsible for a large portion of yield losses, while Rhizoctonia and scab account for lowering of market value. These needless losses can be



Semesan Bel controls Rhizoctonia stem lesions. Untreated—27% Rhizoctonia infected—73% healthy. Semesan Bel treated—3% Rhizoctonia infected—97% healthy.

largely prevented by treating the seed, before planting, with *Improved Semesan Bel* potato dip. Practical field tests in nineteen states have proved the quick one-minute dip in *Improved Semesan Bel* solution is equally as effective in the control of seed-borne Rhizoctonia and scab, and in reducing Rhizoctonia stem lesions as the 1½ to 2-hour soak in corrosive sublimate; or the hot formaldehyde treatment—except under unusual soil contamination.

## By Reducing Seed-Piece Decay



An illustration of Semesan Bel's effectiveness in seed-piece preservation.

Untreated—38% rotted and 62% sound seed pieces. Semesan Bel treated—7% rotted and 93% sound seed pieces.

In addition to killing seed-borne diseases *Improved Semesan Bel* protects the seed pieces from rotting under cold, wet soil conditions, assuring better stands and larger yields. The U. S. Dept. of Agriculture in Miscellaneous Publication No. 53 says—"In parts of the country where the rotting of sets is a serious problem, seed treatment of apparently clean seed is likely to pay."

## By Producing Better Stands

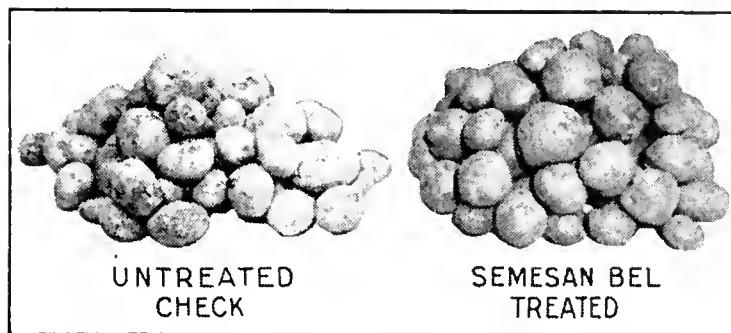


The stand of potatoes on the left grown from untreated seed will not produce as large a yield as the fine stand on the right from Semesan Bel treated seed.

*Improved Semesan Bel* by protecting seed pieces against seed-borne diseases and early decay aids in producing better stands of more vigorous plants and greater yields. All seed,

including "certified" or apparently "disease-free" seed, should be treated. Even certified seed may carry as much as 10% Rhizoctonia and it will rot just as quickly in cold, wet soils as any other seed—therefore treating it is a paying operation.

## By Improving Quality

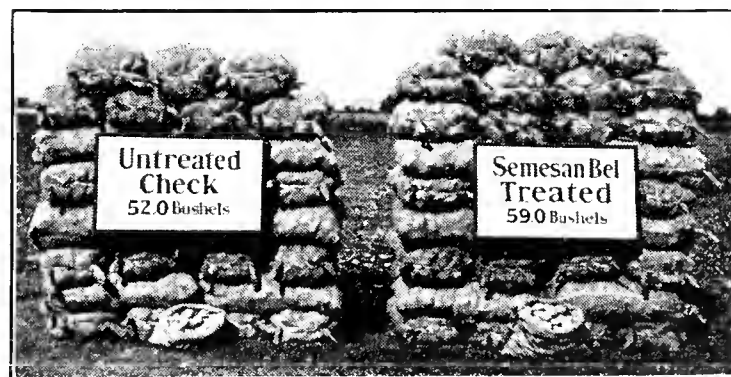


The improvement in quality due to treatment is shown by comparison of potatoes grown from untreated seed with those from Semesan Bel treated seed.

The larger per cent of prime potatoes—free from scab, which makes them unsalable—free from Rhizoctonia, that dulls their skin and makes them misshapen—usually pays the small cost of treating with *Improved Semesan Bel*.

The cost of treating is only 1½ to 3 cents a bushel, depending upon the quantity of *Improved Semesan Bel* purchased. One pound of *Improved Semesan Bel* treats from 60 to 80 bushels of seed. Considering the cost of disinfectant, time, labor, and equipment required, *Improved Semesan Bel* is less expensive than any other method commonly used.

## By Increasing Yields

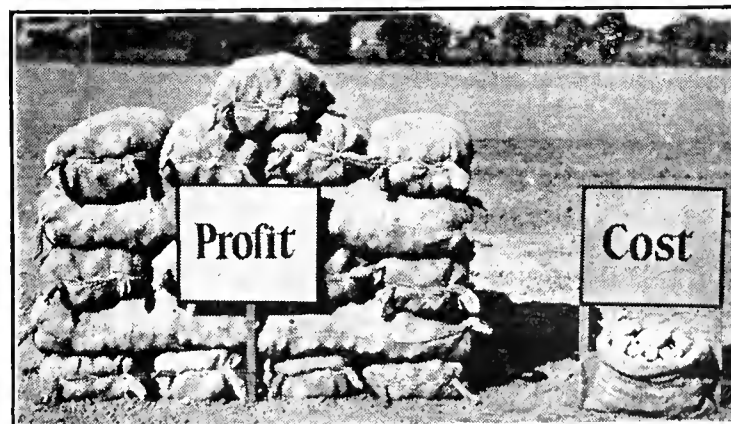


In six farm tests Semesan Bel gave an average yield increase of 35.4 bushels. The untreated averaged 259.9 bushels, the treated 295.3 bushels. Photo of 1/5 acre yield.

Thirty-five and four-tenths bushels of potatoes an acre is the average increase in yield secured in demonstrations with *Improved Semesan Bel* on six practical farms in Maine, Minnesota, Ohio, Pennsylvania, and New York. Semesan Bel, by destroying disease organisms on the seed and preventing seed rotting, helps growers to obtain maximum yields of prime potatoes so essential to greatest crop profits.

According to U. S. Dept. of Agriculture Miscellaneous Publication No. 53, "Gains in yield as a result of seed disinfection frequently reach 20 to 30%, and the gain in yield and quality of prime stock is often even greater." The Federal and many State Experiment Stations are urging seed treatment as a step toward more profitable production.

## By Returning Many Times Its Cost



Only 0.4 of a bushel of the average yield increase of 35.4 bushels reported above was required to pay for the *Improved Semesan Bel*, leaving a return on money invested of 9830%.

Increases in yields ranging up to 25% have been obtained with *Improved Semesan Bel*; but let us figure the profit on the average increase of 13.6%, or 35.4 bushels mentioned above. The 35.4 bushels priced at \$1.01 each—the ten-year average farm price for potatoes—are worth \$35.75; deduct the cost of treating—20 bushels of seed per acre with Semesan Bel bought at the 25-pound rate, or 36 cents—and the profit is \$35.39 per acre, or 9830% return on the money you spent for disinfectant. A handsome profit!

Practical tests indicate that over a period of years you may expect an average increase in yield of about 10% from *Improved Semesan Bel*. Get this profit every year by using this quick, easy, effective, and inexpensive potato dip.

• TREATMENT COST ONLY 1½ TO 3 CENTS A BUSHEL •



# Sweet Potato Treatment Pays Too!

Seed sweet potatoes carry on their surface the organisms that cause stem rot, black rot and scurf. These diseases take a heavy toll from your yields of marketable roots!

As the stem rot and scurf are transmitted from the seed to the sprouts, and also from the soil of the seed bed to the sprouts, it pays to disinfect the seed potatoes before planting. The sprouts too should be disinfected after they are drawn and before transplanting.

Carefully conducted tests in several states proved conclusively that the *Improved Semesan Bel* treatment of seed potatoes and sprouts increases stands and yields. Add to your profit by dipping your seed sweet potatoes and the sprouts in *Improved Semesan Bel*.

## Prices for New Improved Semesan Bel



4-oz.....	\$ .45
1-lb.....	1.50
5-lb.....	6.75
25-lb.....	31.00
100-lb.....	122.00
300-lb.....	355.00

*Prices effective as of January 2, 1937*

**ONE POUND TREATS 60 TO 80  
BUSHELS OF SEED POTATOES**

*Improved Semesan Bel* is poisonous, and instructions and precautions furnished with all packages should be observed. It can be mailed if packed according to Postal Regulations.

**BAYER-SEMESAN COMPANY, INC.**

**Du Pont Building . Wilmington, Delaware**

*for Sale by*

**Edward F. Dibble, Seedgrower  
HONEOYE FALLS, N. Y.**